

§ 56.5006 Restricted use of chemicals.

The following chemical substances shall not be used or stored except by competent persons under laboratory conditions approved by a nationally recognized agency acceptable to the Secretary.

- (a) Carbon tetrachloride.
- (b) Phenol,
- (c) 4-Nitrobiphenyl,
- (d) Alpha-naphthylamine,
- (e) 4,4-Methylene Bis (2-chloroaniline),
- (f) Methyl-chloromethyl ether,
- (g) 3,3 Dichlorobenzidine,
- (h) Bis (chloromethyl) ether,
- (i) Beta-naphthylamine,
- (j) Benzidine,
- (k) 4-Aminodiphenyl,
- (l) Ethyleneimine,
- (m) Beta-propiolactone,
- (n) 2-Acetylaminofluorene,
- (o) 4-Dimethylaminobenzene, and
- (p) N-Nitrosodimethylamine.

PHYSICAL AGENTS

§ 56.5050 Exposure limits for noise.

(a) No employee shall be permitted an exposure to noise in excess of that specified in the table below. Noise level measurements shall be made using a sound level meter meeting specifications for type 2 meters contained in American National Standards Institute (ANSI) Standard S1.4-1971, "General Purpose Sound Level Meters," approved April 27, 1971, which is hereby incorporated by reference and made a part hereof, or by a dosimeter with similar accuracy. This publication may be obtained from the American National Standards Institute, Inc. 1430 Broadway, New York, New York 10018, or may be examined in any Metal and Nonmetal Mine Safety and Health District Office of the Mine Safety and Health Administration.

PERMISSIBLE NOISE EXPOSURES

Duration per day, hours of exposure	Sound level dBA, slow response
8 .....	90
6 .....	92
4 .....	95
3 .....	97
2 .....	100

PERMISSIBLE NOISE EXPOSURES—Continued

Duration per day, hours of exposure	Sound level dBA, slow response
1½ .....	102
1 .....	105
½ .....	110
¼ or less .....	115

No exposure shall exceed 115 dBA. Impact or impulsive noises shall not exceed 140 dB, peak sound pressure level.

NOTE: When the daily noise exposure is composed of two or more periods of noise exposure at different levels, their combined effect shall be considered rather than the individual effect on each.

If the sum

$$(C_1/T_1) + (C_2/T_2) + \dots (C_n/T_n)$$

exceeds unity, then the mixed exposure shall be considered to exceed the permissible exposure.  $C_n$  indicates the total time of exposure at a specified noise level, and  $T_n$  indicates the total time of exposure permitted at that level. Interpolation between tabulated values may be determined by the following formula:

$$\text{Log } T = 6.322 - 0.0602 \text{ SL}$$

Where T is the time in hours and SL is the sound level in dBA.

(b) When employees' exposure exceeds that listed in the above table, feasible administrative or engineering controls shall be utilized. If such controls fail to reduce exposure to within permissible levels, personal protection equipment shall be provided and used to reduce sound levels to within the levels of the table.

[50 FR 4054, Jan. 29, 1985, as amended at 60 FR 35695, July 11, 1995]

EFFECTIVE DATE NOTE: At 64 FR 49629, Sept. 13, 1999, §56.5050 and the undesignated center heading preceding it were removed, effective Sept. 13, 2000.

Subpart E—Explosives

SOURCE: 61 FR 36795, July 12, 1996, unless otherwise noted.

§ 56.6000 Definitions.

The following definitions apply in this subpart.